

Storms Over the Urban Forest: Part 1 – Natural Hazards Management Planning

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Overview

- **Working with emergency management**
 - Advantages from an Urban Forestry Perspective
 - Advantages for Emergency Management
 - How?
- **Following an event**
 - Assess the damage
 - Keeper/Border Line/Removal
 - First Aid to Keepers and Border Line
- **Specific Considerations**
- **Publications**



Working with emergency management

- **Advantages from an Urban Forestry Perspective**
 - Support for an Urban Forestry Management Program
 - Build relationships with various stakeholders
 - Avoid misunderstandings and confrontations
- **Advantages for Emergency Management**
 - Reduce liability from tree damage
 - Benefits to flood plains and water quality
 - Reduce cost and other impacts from tree damage
- **How?**
 - Participate in planning mechanisms such as Mitigation Planning and Emergency Operations Plans

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Following an event

- **Assess the damage**
 - Health? Extent of damages?
 - Appropriateness of location?
- **Keeper/Border Line/Removal**
 - Keepers – slight damage
 - Border Line – valuable, otherwise healthy
 - Removal – loss of leafy crown, rotten inner core
- **First Aid to Keepers and Border Line**
 - Removing broken branches
 - Staking
 - No topping
 - Consider safety

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Specific Considerations

- **Site Evaluation**
 - Space available
- **Tree Selection**
 - Mature Size
 - Native Trees
 - Wind Resistance of Species
 - Tolerance to Flooding
- **Maintenance**
 - Root Zone
 - Pruning

Publications

- **Making Our Urban Forests Safer**
 - ANR-1210, Neil Letson
 - www.aces.edu/pubs/docs/A/ANR-1210/
- **Flooding and Trees**
 - Joe Zeleznik, NDSU Extension Service
- **Dealing with Storm-damaged Trees in the Landscape**
 - LSU AgCenter
- **Smart Growth in Urban Forestry: Using Hurricane Resistant Trees**
 - Beau Brodbeck, Alabama Cooperative Extension
- **Restoring our Hurricane-Ravaged Urban Tree Canopy**
 - ANR-1295